

CITIZEN ENVIRONMENTAL INVESTIGATION SCHOOL

Live online
training course
2018/19



WHAT IS THE IMVEC.TECH SCHOOL?

We have created a free and accessible school where we are developing a training program on Citizen Environmental Investigation.

The course is delivered live online and you can take part either individually or as a working group, free of charge and open to anyone with access to the Internet.

The free transmission of knowledge is fundamental for the survival and adaptation of humankind, and for this reason we are sharing our knowledge in the fields of environmental investigation, citizen journalism, visual architecture, human hacking, online security, design and flight of unmanned aerial vehicles (UAVs), development of DIY technology and open source Hardware and Software tools, creating in this way working groups with the future defenders of the planet.

Imvec.tech is neither a project trying to generate changes in the social and environmental fabric of the planet, nor is it aimed at stopping global industrial pollution.

Imvec.tech is a project based on the idea that it is already too late for that, and either on Earth or on other planets humankind will have to re-invent itself so that it can re-adapt and survive in natural places that have become lethal.

**"INVESTIGATE,
COOPERATE,
MONITOR,
AND ADAPT"**



HOW CAN I PARTICIPATE IN THE SCHOOL?

01

To accept your participation we only need your commitment to attend the online sessions and your active participation in the working and development groups; contact us at imvec@tutanota.com

02

If you are on your own, you will need a computer, a webcam and access to the Internet, in order to connect directly to the live online sessions where we will work in a traditional learning setting.

03

If you are in a group and you are at home, at school, in college, or in a social, cultural or R+D centre and you have a computer, a webcam and Internet connection, you can form a working group that will be organized among yourselves. In this way, by occupying one position on the live online learning setting, you can exponentially multiply the attendance to the course and consequently, increase its quality and its development possibilities.

04

And if none of these options suit you, do not worry because every live online session is recorded and can be accessed on our public channel in Youtube, because knowledge is power.

HOW DOES THE SCHOOL WORK?

01

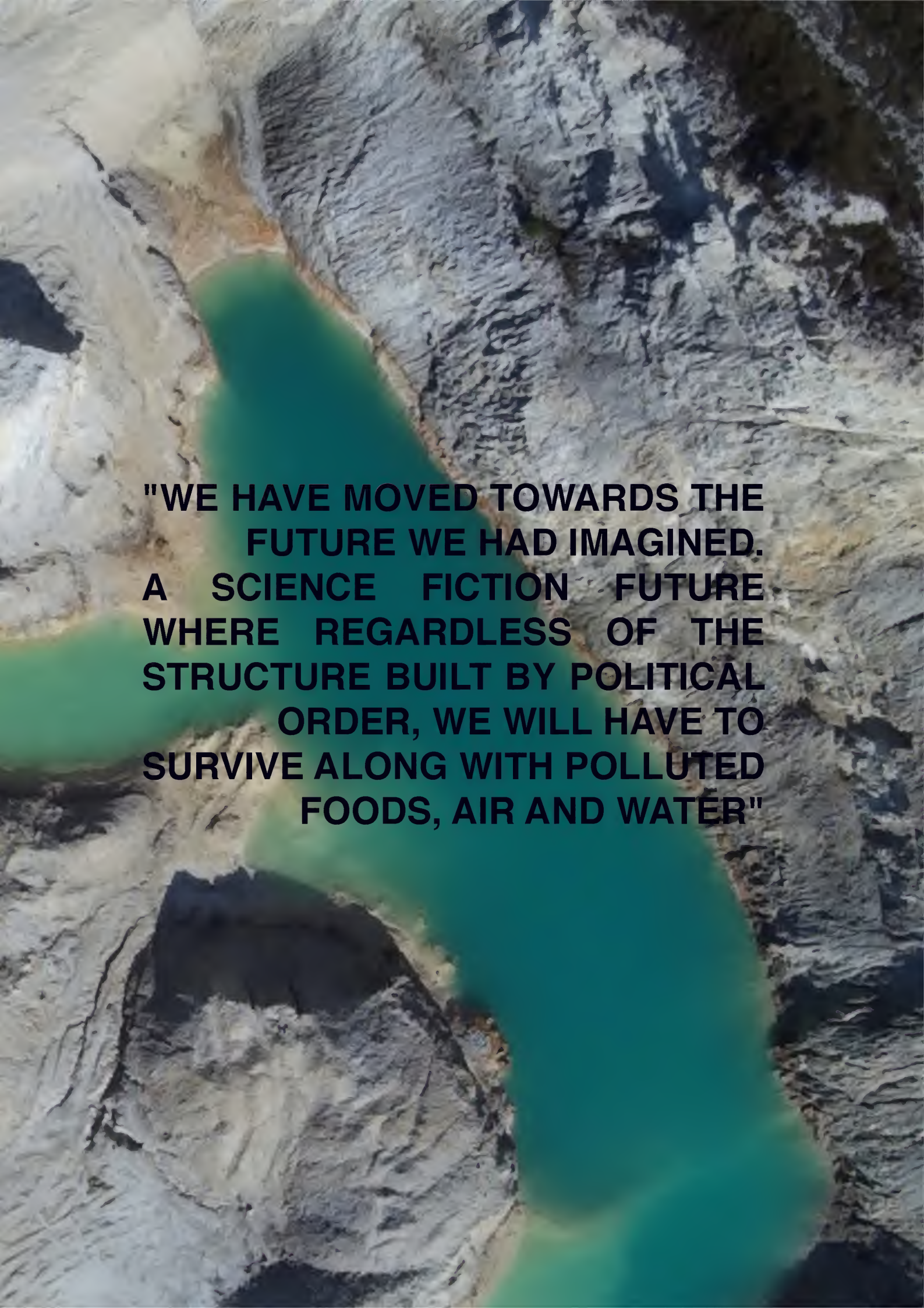
You can participate in the school through our annual program, or if you wish you can adapt your learning strategy and participate in our intensive module training courses, which we will constantly develop online, or onsite at various schools, colleges, and social, cultural or R+D centres.

02

The school has an annual live online course where you can participate individually, or as part of a working group, with 2 hour long classes on a specific day of the week, at 19:00 hrs. (GMT + 01:00 hr in Spain) every week, from January to January, except on holidays and during summer holidays, plus a series of personalised online tutorials conducted by internal working groups, which vary depending on the progress of the students' own work in the subject of Development and Project Construction.

03

The school forms part of the Mozilla Foundation Open Education Standards "Open Badges" (<https://openbadges.org/>) and we consider that neither the quality of the contents and the skills you learn to develop at school, nor the certificates we issue need to be certified by any private or public centre. It is our belief and we strongly defend it that such responsibility should be developed in a multidirectional way and with total freedom, i.e. the school issues their skill certificates (for the annual program and for each module separately), and the pupils issue their certificates of quality regarding the education they have received, collectively supporting (or not) the school's education quality system.

An aerial photograph showing a river with a distinct greenish-yellow hue, indicating pollution, as it flows through a rugged, grey, and brown rocky terrain. The river's path is visible as a winding channel through the mountainous landscape.

**"WE HAVE MOVED TOWARDS THE
FUTURE WE HAD IMAGINED.
A SCIENCE FICTION FUTURE
WHERE REGARDLESS OF THE
STRUCTURE BUILT BY POLITICAL
ORDER, WE WILL HAVE TO
SURVIVE ALONG WITH POLLUTED
FOODS, AIR AND WATER"**

WHAT WILL I LEARN AT THE SCHOOL?

VISUAL ARCHITECTURE

01

ONLINE SECURITY

02

ENVIRONMENTAL RESEARCH

03

**AUDIOVISUAL PRODUCTION WITH OPEN
SOURCE SOFTWARE**

04

PROJECT DESIGN AND CONSTRUCTION

05

MULTIDIRECTIONAL OPEN SOURCE SOFTWARE CERTIFICATES

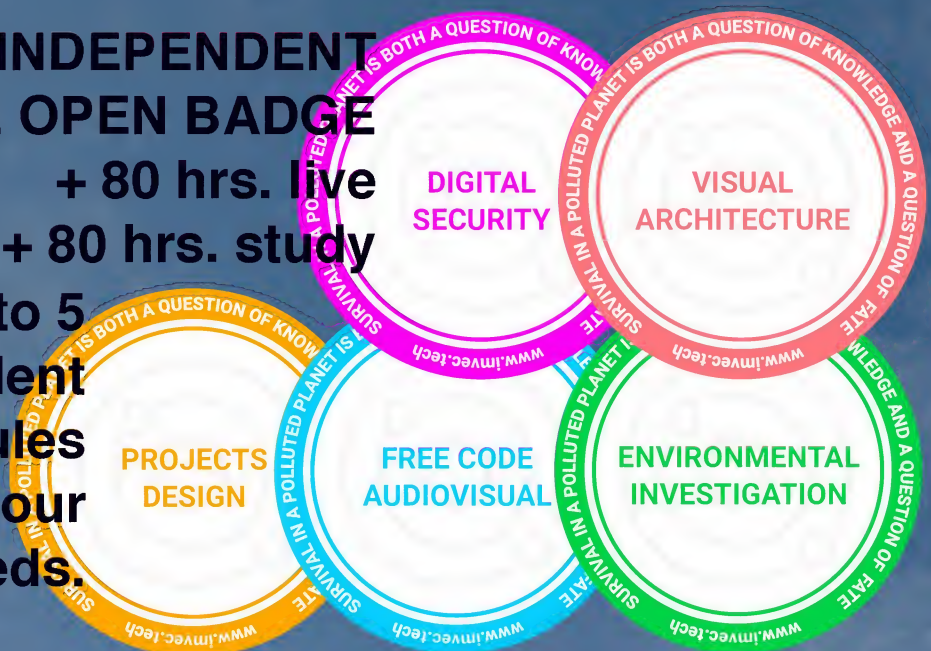
THE MOZILLA FOUNDATION
OPEN BADGES SYSTEM
<https://openbadges.org/>

ANNUAL PROGRAM
OPEN BADGE
+ 80 hrs. live
+ 80 hrs. study
+ 30 hrs. tutorials



INDEPENDENT
MODULE OPEN BADGE
+ 80 hrs. live
+ 80 hrs. study

Divided into 5
independent
modules
to suit your
learning needs.



01 VISUAL ARCHITECTURE

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We specialize in the use of environmental documentary imagery, the design of open visual monitoring strategies and the construction of citizen journalism investigation projects.

**"An image is a spiritual path,
the more you see, the more you learn;
the more you learn, the more you can teach".**

**In this module we further our knowledge in the following fields:
photography; independent and critical documentaries and environmental films; post-colonial visual journalism history; contemporary citizen journalism work strategies; techniques and methods for citizen forensic visual analysis; DIY tools and devices for visual monitoring applied to environment polluted areas; image militarization history; visual guerrilla communication history; and those techniques and audiovisual tools which are necessary for the design and materialization of instructional visual projects, communication, awareness, or visibility of environment polluted areas.**

02 ONLINE SECURITY

We specialize in investigating and surfing the Net safely, in the physical protection and file and hard disk encryption, and encryption and design of secure communication networks.

**"Without privacy there is no freedom of thought,
without freedom of thought there is no freedom of speech,
without freedom of speech there is no freedom of the press,
without freedom of the press there is no democracy"**

In this module we increase our knowledge of the basic operation of the Internet and of its physical, financial and conceptual infrastructures, employing privacy and security complements to reduce our digital footprint when surfing the Net, such as the Tor network and IP anonymous addresses ".onion", top file encryption tools and settings; also generating and using strong passwords using PGP encryption; safe email servers, instant messaging conversations through OTR encryption, mastering professional work protocols in order to correctly preserve and protect the materials obtained during our investigations.

03 ENVIRONMENTAL INVESTIGATION

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We specialize in the use of NBQ security tools for activists, citizen eco-forensic field investigation techniques, and the design and improvement of open source environment monitoring tools.

"We have also learned to fight with joy, with hope, with faith and in diversity, with music, ceremonies and spirituality. Where we are accompanied by our ancestors, our nahuals and our spirits. And this is what encourages us, we know that we do not have a back up planet."

Berta Cáceres.

In this module we increase our knowledge of citizen investigation techniques applied to the study of polluted natural places; we analyse the work, research and NBQ security strategies needed to develop our field projects with full security; and we discover the free source hardware eco-forensic tools which are needed to make our investigation projects become environmental action projects not only capable of mobilising and raising awareness, but also capable of offering scientific and forensic evidence, useful in court cases.

04 AUDIOVISUAL PRODUCTION

We specialise in the use of non-private (open source software) operating systems, APPs and audiovisual production tools (photography, video, audio and subtitles), research, content publication and social networks.

"If the software we use to develop and publish our research does not provide the minimum confidentiality conditions, the independent forensic evidence will not be able to challenge the current legal system."

In this module we further our knowledge of the use of the GNU/Linux operating system and of the following free software tools: Kdenlive, Natron, Openshot, Lightworks, Aegisub, Audacity, Ardour, ImageJ, Gimp, Dartable, Inkscape, Scribus and Obscuracam.

This enables us to develop our research independently and in an affordable way, without needing to pirate licenses with external patches that weaken our online security structure.

05 PROJECT CONSTRUCTION

We specialize in architecture design, planning, production, financing, communication, distribution and leadership of projects related with environmental crime and in the field of environmental racism.

"What I call an architect is someone who has taken part in the interpretation and construction of a program that faces the needs of the society where he/she is living" Frenc Z.L.

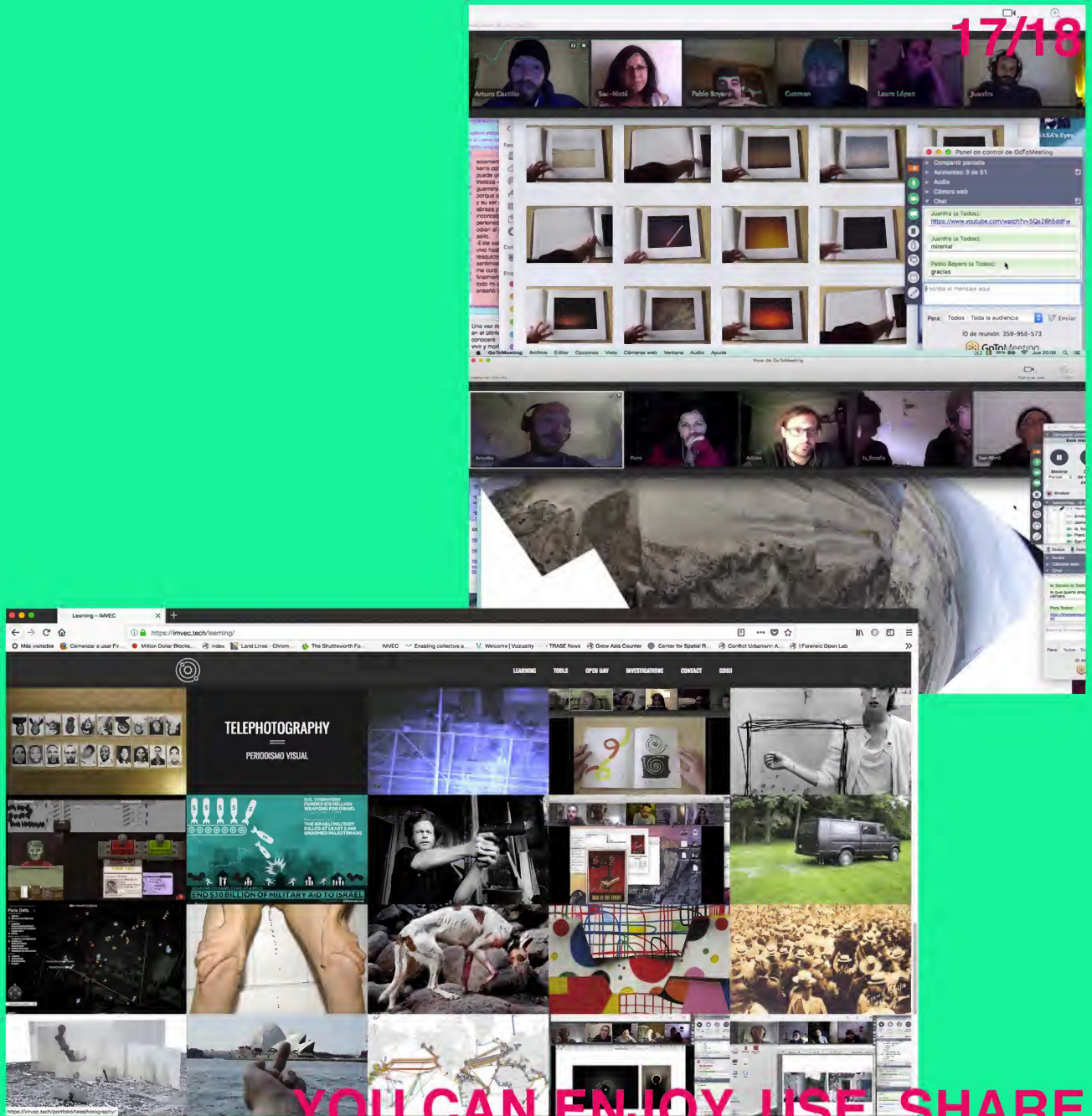
In this module we increase our knowledge about the creative processes that are necessary for investigation projects related with environmental crimes, or in the field of environmental racism; from the initial idea to the design of the basic architecture, work team formation, objective-based planning, organizing production stages, financing strategies, communication, distribution and leadership; collectively putting into practice all those concepts in actual projects, proposed and managed by the pupils.



**"IMVEC.TECH IS NOT AN
ECOLOGIST PROJECT,
IT IS A DEVELOPMENT
PROJECT OF
FREE ENVIRONMENTAL
SURVIVAL TECHNIQUES"**

PILOT COURSE

17/18



**YOU CAN ENJOY, USE, SHARE
AND DISSEMINATE ALL OUR
CLASSES AND LEARNING
MATERIALS FREELY,
THROUGH OUR FILE AT:
<https://imvec.tech/learning/>**

XOSÉ QUIROGA AND ARTURO R.CASTILLO

A lawyer and a sociologist who have never practised in these fields, because from a very early age it was clear to them that their thing was social espionage, online security, visual architecture, investigation journalism, the universe of open source software and hardware, DIY technology, environmental research and, in general, anything like John Carpenter's films or Agatha Christie's books, or anything with a cool or even cooler name!

Behind all their emotional, personal and professional projects lies the idea of access to independent learning and training, the driving force that for the last 10 years has led them both to work as teachers and researchers, and to present their projects almost everywhere on the planet and parts of the solar system.

Together they will be the guides and tutors throughout the development of most school modules in all modalities, generating constant and fluent work teams, where trust and mutual knowledge are part of the driving force to create unthinkable projects.

We are not what we have done; we are what we are able to do.

**"CONTACT US,
WE ARE
WAITING FOR
YOU"**

